



YoGoKo

“ You Go, We Konnect ”

*Innovative communication solutions
for transport and mobility*

Technical specs

V2X standards

- ISO / CEN / ETSI / IEEE standards
- ITS Station Reference Architecture
- ETSI G5 / IEEE 802.11p / ISO M5
- Decentralized Congestion Control
- ETSI G5/ CEN DSRC coexistence
- ETSI GN, GN6, CAM, DENM
- ETSI Trust and Privacy, PKI
- ISO FNTF
- IEEE WAVE
- SAE SPAT/MAP
- Local Dynamic Map and Facilities
- And others

Data and app. management

- Publish/Subscribe
- Configuration management
- Data filtering and computing
- Data collection and storage
- Credentials management

Rich API support

- Java API
- C API
- Websocket support
- RTMaps support
- Remote API

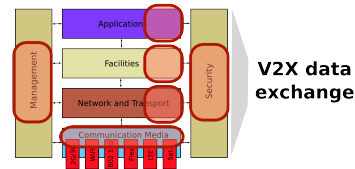
Hardware

- Multiple 802.11p radios
- 5,9GHz frequency
- 10MHz–20MHz channel bandwidth
- Dynamic Frequency Selection
- Transmit Rate & Power Control
- HSM module
- GNSS module
- CAN support
- Automotive grade ARM or x86 CPU
- Linux-based system
- Multiband antenna

Contact

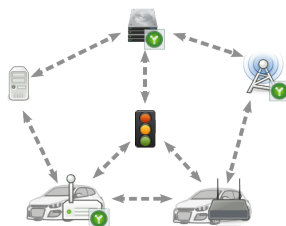
- Mail: contact@yogoko.fr
- Website: www.yogoko.fr

Our V2X data exchange solutions



Software stack for V2X communications

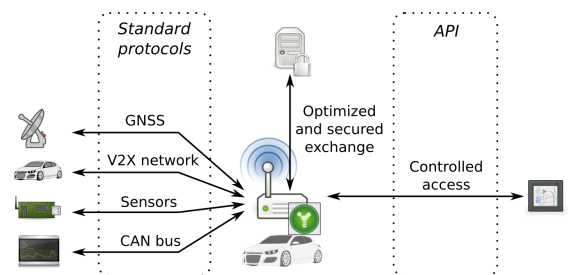
- YoGoKo’s software stack includes the latest V2X standards (ISO, CEN, ETSI, SAE, IEEE) for data transmissions between ITS stations (vehicles, roadside and urban infrastructure).
- V2X functionalities offered by YoGoKo have been validated in multi-vendors environments such as interoperability tests (ETSI plugtests, ITS WC demos, ...).



- This stack is integrated in automotive-grade hardware comprising V2X radios and Hardware Security Modules complying with high safety requirements.
- Its flexibility and modularity allows easy integration within an existing hardware or development of custom services or applications.

YoGoKo Smart Middleware: a middleware for ITS communications

- YoGoKo’s V2X functionalities are part of YoGoKo Smart Middleware, a middleware dedicated to cooperative ITS communications.
- YoGoKo Smart Middleware interconnects easily, reliably and securely service/data users (applications, IHMs, etc.) with service/data providers (V2X network, CAN bus, GPS device, etc.).
- A simple and unified API allows local and remote applications to benefit from middleware capabilities. Developers can thus concentrate on the very core features of their software instead of communication and data exchanges.



Security by design

- Applications and services are cryptographically authenticated. Access to data/service is restricted according to credentials.
- The middleware can be securely attached to a remote management platform, giving to fleet operators a fine control over the vehicle status and data.
- Security controls allow ITS applications to connect to Internet services without compromising users safety.